

We Claim:

1. A container comprising:

a base portion forming a first chamber and a second chamber connected by a bridge that allows fluid in said first chamber to flow to said second chamber when said container is in a predetermined orientation;

wherein one of said chambers includes a narrow bottom portion and a sloped floor portion arranged to direct said fluid to said bottom portion.

2. A container according to claim 1 wherein said sloped floor is helical.

3. A container according to claim 2 further comprising orienting means forming a cam surface for orienting said container.

4. A container according to claim 3 wherein said orienting means comprises a skirt extending from the bottom of said one of said chambers.

5. A container according to claim 2 further comprising a helical skirt extending downward from said one of said chambers.

6. A container according to claim 1 wherein said first and second chambers are connected by a bridge and said container further comprises a lid covering said first and second chambers, said lid having a raised portion that covers said first chamber and a recessed portion that covers said second chamber and an intermediate wall that forms a passage with said bridge for receiving said fluid.

7. A container according to claim 6 wherein said lid includes access means for providing sterile access to said first and second chambers.

8. A container according to claim 7 wherein said access means comprises a first access port in said raised portion and a second access port in said recessed portion.

9. A container according to claim 7 further comprising a floating divider in said first chamber.

10. A container according to claim 9 wherein said floating divider is cylindrical includes an opening allowing passage of fluids during centrifugation.

11. A container according to claim 10 wherein said floating divider includes a protuberance having said opening therein.